Montana Board of Oil and Gas Conservation Environmental Assessment

Operator: Continental Resources, Inc.
Well Name/Number: Potts 1-11H
Location: NW NE Section 14 T26N R54E
County: Richland, MT; Field (or Wildcat) W/C Bakken Horizontal)
Air Quality
(possible concerns)
Long drilling time: No, 30 to 40 days drilling time.
Unusually deep drilling (high horsepower rig): No, triple derrick drilling rig to drill a single
lateral Bakken Formation well to 19,657'MD/9539' TVD.
Possible H2S gas production: Slight chance of H2S gas production.
In/near Class I air quality area: No Class I air quality area.
Air quality permit for flaring/venting (if productive): Yes, DEQ air quality permit required
under 75-2-211.
Mitigation:
_X Air quality permit (AQB review)
Gas plants/pipelines available for sour gas
Special equipment/procedures requirements
Other:
Comments: No special concerns – using triple rig to drill a single lateral Bakken
Formation well to 19,657'MD/9539' TVD.
Water Quality
(possible concerns)
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Soils/Vegetation/Land Use

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(possible concerns)
Steam crossings: None anticipated, will utilize existing county road, #146.
High erosion potential: No, small cut, up to 7.4' and small fill, up to 3.0' required.
Loss of soil productivity: No, location will be restored after drilling, if nonproductive. If
productive unused portion of drillsite will be reclaimed.
Unusually large wellsite: No, 500'X270' location size required.
Damage to improvements: Slight, surface use is cultivated land.
Conflict with existing land use/values: Slight
Mitigation
Avoid improvements (topographic tolerance)
Exception location requested
X Stockpile topsoil
Stream Crossing Permit (other agency review)
X Reclaim unused part of wellsite if productive
Special construction methods to enhance reclamation
Other
Comments: Will use existing county road, #146. A short access of about 979' will be
built into this location off the existing county road, #146. Oil based invert drilling fluids
will be recycled. Cuttings and mud solids will be buried in the lined pit after being allowed
to dry. Completion fluids will be trucked to a Class II disposal. No special concerns.
Health Hazards/Noise
(possible concerns)
Proximity to public facilities/residences: Closest residences are about 1/2 of a mile to
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Mitigation:

Eastern Red Bat.

 Avoidance (topographic tolerance/exception) Other agency review (DFWP, federal agencies, DSL) Screening/fencing of pits, drillsite Other:
Comments: Private surface lands. There maybe species of concern that maybe impacted by this wellsite. We ask the operator to consult with the surface owner as to what he would like done, if a species of concern is discovered at this location. The Board of Oil & Gas has no jurisdiction over private surface lands.
Historical/Cultural/Paleontological
(possible concerns) Proximity to known sites None identified
Mitigation avoidance (topographic tolerance, location exception) other agency review (SHPO, DSL, federal agencies) Other:
Comments: On private surface lands. There maybe possible historical/cultural/paleontological sites that maybe impacted by this wellsite. We ask the operator to consult with the surface owner as to his desires to preserve these sites or not, if they are found during construction of the wellsite. The Board of Oil & Gas has no jurisdiction over private surface lands.
Social/Economic
(possible concerns) Substantial effect on tax base Create demand for new governmental services Population increase or relocation Comments: No concerns
Remarks or Special Concerns for this site
Well is a single lateral Bakken Formation 19,657'MD/9539' TVD.
Summary: Evaluation of Impacts and Cumulative effects
No long term impact expected, some short term impacts will occur.
I conclude that the approval of the subject Notice of Intent to Drill (does/ <u>does not</u>) constitute a major action of state government significantly affecting the quality of the human environment, and (does/ <u>does not</u>) require the preparation of an environmental impact statement.
Prepared by (BOGC):_/s/Steven Sasaki(title:) Chief Field Inspector

Date: October 31, 2011
Other Persons Contacted:
Montana Bureau of Mines and Geology, GWIC website
(Name and Agency) _Richland County water wells_
(subject discussed) October 31, 2011
(date)
US Fish and Wildlife, Region 6 website (Name and Agency) ENDANGERED, THREATENED, PROPOSED AND CANDIDATE SPECIES MONTANA COUNTIES, Richland County (subject discussed)
_ <u>October 31, 2011</u> (date)
Montana Natural Heritage Program Website (FWP) (Name and Agency) Heritage State Rank= S1, S2, S3, T26N R54E (subject discussed)
October 31, 2011 (date)
If location was inspected before permit approval: Inspection date: Inspector:
Others present during inspection: